



12-10-01

A

NEW UNITED STATES UTILITY PATENT APPLICATION  
under 37 C.F.R. 1.53(b)

Atty. Docket No. 01-52

CERTIFICATE OF EXPRESS MAILING UNDER 37 C.F.R. § 1.10: The undersigned hereby certifies that this United States Patent Application and all papers noted herein as being attached, are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" Service under 37 C.F.R. § 1.10 today, **December 3, 2001**, and is addressed to: U.S. Patent and Trademark Office, P.O. Box 2327, Arlington, VA 22202.

**Express Mail Label No.: EF008657265US**



Assistant Commissioner for Patents  
U.S. Patent and Trademark Office  
P.O. Box 2327  
Arlington, Virginia 22202

Enclosed herewith is a new patent application and the following papers:

First Named Inventor (or application identifier): Antony Davies, Chienkuang Chen, and Ling Wang

Title of Invention: Digital Phase Locked Loop with Phase Selector having Minimized Number of Phase Interpolators

1. ☒ Specification 56 pages (including specification, claims, abstract) / 30 claims (7 independent)
2. ☒ Declaration/Power of Attorney is:  
☐ attached in the regular manner.  
☒ NOT included, but deferred under 37 C.F.R. § 1.53(f) (an unexecuted copy is attached.)
3. ☒ 16 Distinct sheets of ☒ Formal ☐ Informal Drawings
4. ☐ Preliminary Amendment.
5. ☐ Information Disclosure Statement  
☐ Form 1449  
☐ A copy of each cited prior art reference
6. ☐ Assignment with Cover Sheet.
7. ☐ Priority is hereby claimed under 35 U.S.C. § 119 based upon the following application(s):

Country	Application Number	Date of Filing (day, month, year)

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8. ☐ Priority document(s).
9. ☐ Statement Claiming Small Entity Status.
10. ☐ Microfiche Computer Program (Appendix).
11. ☐ Nucleotide and/or Amino Acid Sequence Submission.  
☐ Computer Readable Copy.  
☐ Paper Copy (identical to computer copy).  
☐ Statement verifying identity of above copies.

12. Calculation of Fees:

FEES FOR	EXCESS CLAIMS	FEE	AMOUNT DUE
Basic Filing Fee (37 C.F.R. § 1.16(a))			\$740.00
Total Claims in Excess of 20 (37 C.F.R. § 1.16(c))	10	18.00	\$180.00
Independent Claims in Excess of 3 (37 C.F.R. § 1.16(b))	4	84.00	\$336.00
Multiple Dependent Claims (37 C.F.R. § 1.16(d))	0	280.00	\$0.00
Subtotal - Filing Fee Due			\$1,256.00
	MULTIPLY BY		
Reduction by 50%, if Small Entity (37 C.F.R. §§ 1.9, 1.27, 1.28)	0		\$0.00
<b>TOTAL FILING FEE DUE</b>			<b>\$1,256.00</b>
Assignment Recordation Fee (if applicable) (37 C.F.R. § 1.21(h))	0	40.00	\$0.00
<b>GRAND TOTAL DUE</b>			<b>\$1,256.00</b>

13. PAYMENT is:  
☒ included in the amount of the GRAND TOTAL by our enclosed check.  
☐ not included, but deferred under 37 C.F.R. § 1.53(f).
14. All correspondence for the attached application should be directed to:

**Law Office of Monica H. Choi**  
**P.O. Box 3424**  
**Dublin, OH 43016-0204**  
Telephone: (614) 789-0240  
Facsimile: (614) 789-0241  
corresponding to **Customer Number 22443:**



**22443**  
PATENT TRADEMARK OFFICE

NEW UNITED STATES UTILITY PATENT APPLICATION  
under 37 C.F.R. 1.53(b)

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15. Other: Return Receipt Postcard; and Request and Certification under 35 U.S.C. 122(b)(2)(B)(i)

Date: December 3, 2001

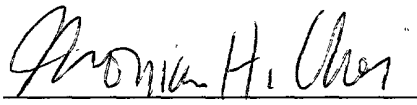
By: Monica H. Choi  
Monica H. Choi  
Reg. No. 41,671

**CERTIFICATE OF MAILING BY "EXPRESS MAIL"**  
(NEW PATENT APPLICATION)

Express Mail No. EF008657265US

Deposited December 3, 2001

I hereby certify that the attached correspondence, identified below, is being deposited with the United States Postal Service as "Express Mail Post Office to Addressee" under 37 CFR § 1.10 on the date indicated above and is addressed to the U.S. Patent and Trademark Office, P.O. Box 2327, Arlington, VA 22202.

By:   
(person actually depositing)

Patent Application of: Antony Davies, Chienkuang Chen, and Ling Wang

Title: Digital Phase Locked Loop with Phase Selector having Minimized Number of Phase Interpolators

- ☒ Patent Application (56 pages, 30 claims, 16 sheets drawing)
- ☒ Postcard
- ☒ Transmittal Letter
- ☒ Check
- ☐ Declaration (unsigned copy attached)
- ☐ Assignment with Recordation Form Cover Sheet
- ☒ Other: Request and Certification under 35 U.S.C. 122(b)(2)(B)(i)

Attorney Docket No.: 01-52

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named Inventor: )  
Antony Davies, Chienkuang Chen, and Ling Wang )

Filed: December 3, 2001 )

Title: Digital Phase Locked Loop with Phase Selector )  
having Minimized Number of Phase Interpolators )

Atty. Docket Number: 01-52 )

Assistant Commissioner for Patents  
U.S. Patent and Trademark Office  
P.O. Box 2327  
Arlington, Virginia 22202

REQUEST AND CERTIFICATION UNDER 35 U.S.C. 122(b)(2)(B)(i)

Dear Sir:

I hereby certify that the invention disclosed in the attached application **has not and will not be** the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing. I hereby request that the attached application not be published under 35 U.S.C. 122(b).


This request must be signed in compliance with 37 C.F.R. 1.33(b) and submitted with the application **upon filing**.

Applicant may rescind this nonpublication request at any time. If applicant rescinds a request that an application not be published under 35 U.S.C. 122(b), the application will be scheduled for publication at eighteen months from the earliest claimed filing date for which a benefit is claimed.

If applicant subsequently files an application directed to the invention disclosed in the attached application in another country, or under a multilateral international agreement, that requires publication of applications eighteen months after filing, the applicant **must** notify the United States Patent and Trademark Office of such filing within forty-five (45) days after the date of the filing of such foreign or international application. **Failure to do so will result in abandonment of this application (35 U.S.C. 122(b)(2)(B)(iii)).**

Respectfully submitted,  
for the Applicant(s)

Dated: December 3, 2001

By:   
Monica H. Choi  
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